



75
Azadi Ka
Amrit Mahotsav



केन्द्रीय भण्डारण निगम
(भारत सरकार का उपक्रम)

CENTRAL WAREHOUSING CORPORATION

(A Govt. of India Undertaking)

जन-जन के लिए भण्डारण/Warehousing for Everyone



No.CWC/PCS & Tech Div/Dunnage Policy/2022-23 Dated:02.08.2022

The Regional Manager,
Central Warehousing Corporation,
Regional Office

**Ahmedabad/ Bangalore/ Bhopal/ Chennai/ Chandigarh/ Delhi/ Hyderabad/
Jaipur/ Guwahati/ Kochi/ Kolkata/ Lucknow/ Mumbai/ Patna**

Sub: Guidelines on Usage of Dunnage Material for Storage of FCI stock... reg.

Apropos subject cited above, please find enclosed letter no. QC 7/ Dunnage Material/ 2018 dated 05.04.2022 from FCI which is self-explanatory. To maintain uniformity in all the godowns, FCI has prepared guidelines on usage of dunnage material for storage of food grains, which is almost similar to our dunnage policy in vogue. The guidelines mentioned in the attached letter may be strictly followed for storage of FCI stock in CWC godowns, to avoid any penalty/deduction.

The content of the letter may be brought to the knowledge of all the concerned employees of Regional Office & Warehouses.

Encl: **As Above**

Signature

Digitally signed by
DR. SIDHARTH RATH
Date: 2022.08.02
13:28:47 +05'30'

HOD (PCS & Tech/Insp)

Copy to:

1. All HoDs, CWC, CO, New Delhi for information, please.
2. SAM (MIS), CWC, CO, New Delhi for uploading the letter on CWC website under Technical Division Tab.

संस्था : 'फूडकोर्प'
Gram : 'FOODCORP'
फैक्स नं. : एचएफसीआई एनडी
06699923893289
00999923893903
Fax No. : HFCI ND
00911123413241
00911123413103

भारतीय
खाद्य
निगम



FOOD
CORPORATION
OF INDIA

मुख्यालय
नई दिल्ली
Head Quarters
New Delhi

18-20, बाराकम्बा लेन, नई दिल्ली-110001, फ़ोन 238930, 238931, 238932, 238933, 238934, 238935, 238936, 238937, 238938, 238939, 238940, 238941, 238942, 238943, 238944, 238945, 238946, 238947, 238948, 238949, 238950, 238951, 238952, 238953, 238954, 238955, 238956, 238957, 238958, 238959, 238960, 238961, 238962, 238963, 238964, 238965, 238966, 238967, 238968, 238969, 238970, 238971, 238972, 238973, 238974, 238975, 238976, 238977, 238978, 238979, 238980, 238981, 238982, 238983, 238984, 238985, 238986, 238987, 238988, 238989, 238990, 238991, 238992, 238993, 238994, 238995, 238996, 238997, 238998, 238999, 239000

No. QC.7/Dunnage Material/ 2018

Dated: 05.04.2022

The Executive Director (North)/ (South) / (East)/ (West)/ (North East),
Food Corporation of India,
Zonal Office, Noida/ Chennai/Kolkata/Mumbai/Guwahati

The General Manager (Region), Food Corporation of India, Regional Office, Punjab/ Haryana/
Uttar-Pradesh/Rajasthan/ Himachal-Pradesh/ J&K/ Delhi/ Uttarakhand/ Maharashtra/
Gujarat/ C.G. / Madhya Pradesh/ West Bengal/ Bihar/ Odisha/ Jharkhand/ Karnataka/
Kerala/ Tamilnadu /Telangana/ Andhra Pradesh/Assam/Arunachal Pradesh/ Nagaland/
Manipur/ NEF.

Sub: Guidelines on Usage of Dunnage Material for Storage of Foodgrains-reg

Ref. : DFPD (Storage-III Section) bearing letter No. F No. 16-2/2016fcipt (331614)
dated 28.03.2022.

Sir/ Madam,

Instructions have been issued from FCI Hqrs. from time to time for the type and use of Dunnage material which are currently in practice. However, uniform guidelines on usage of Dunnage material were not available. In order to maintain uniformity, guidelines on usage of Dunnage material for storage of foodgrains with the approval of DFPD have been prepared and enclosed herewith for strict implementation at the field level.

These instructions should be brought into the notice of all field functionaries of FCI, CWC, SWC and all hired units for compliance.

Encl: as above

Yours faithfully,

(R C Naval)

Deputy General Manager (QC)

For Executive Director (QC)

Copy To:

1. Secretary (F&PD), Ministry of CAF&PD, Dept. of Food & Public Distribution, Storage-III Section in compliance to aforesaid letter dated 28.03.2022.
2. Managing Director, CWC, Corporate Office, 4/1 Siri Institutional Area, Hauz Khas, New Delhi-110 016.
3. Executive Director (Vig.)/(Fin.)/(Proc.)/ (Purchase)/(Co-ord)/(Pers.)/ (Legal)/ (IT)/ (Traffic)/ (P&R), Food Corporation of India, Headquarters.
4. Executive Director (Storage), FCI Hqrs. along with copy of the Ministry's letter dated 28.03.2022, for including these guidelines for tendering Private Warehousing Scheme for consuming regions.
5. The General Manager (S&C) FCI Headquarters for information and necessary action please.
6. Director (IFS), FCI, Institute of Food Security, Gurugram.
7. Guard File.

For Executive Director (QC)

Csm/acc/292
29/3/22

का०निदेशक (गु.नि./विकी/अधिप्राप्ति)
आयसी नं० 2809
दि० 29/3/22

F.No. 16-2/2016fciipt (331614)
Government of India
Ministry of Consumer Affairs, Food & Public Distribution
Department of Food & Public Distribution
(Storage-III Section)

KrishiBhawan, New Delhi
Dated: 28th March, 2022

To,

The Chairman & Managing Director
Food Corporation of India
16-20, Barakhamba Lane
New Delhi

Subject: Guidelines on usage of dunnage material for storage of foodgrains.

I'm directed to refer to FCI's letter no. QC.7/dunnage policy/2018, dated 25/01/2022, on the subject mentioned above and to convey the approval of this Department on the guidelines of usage of dunnage material, subject to the following observations :-

- CGM/acc/292
29/3
- At the Para 9 of the guidelines, word 'policy' may be replaced with the word 'guideline'.
 - FCI may also opt/specify these guidelines for tendering for Private Warehousing Scheme (PWS) for consuming regions.

2. This issues with the approval of Secretary (F&PD).

Yours Faithfully

(Tajinder Singh Bal)

Under Secretary to the Government of India
Tele No. 23073798

Dum

29/3/2022

P. 210

GUIDELINES ON USAGE OF DUNNAGE MATERIAL FOR STORAGE OF FOODGRAINS

As aware that the food grain stock procured and stored in the godown has to be preserved properly abiding all scientific protocols to maintain its quality, till it is liquidated. Instructions have been issued from time to time for the type and use of dunnage material which is to be followed and additionally following guidelines may be considered at the time for selection of type and use of dunnage material.

Dunnage is an inert material used to safeguard the quality of foodgrains besides giving adequate protection to the bottom layer bags. Dunnage acts as cushion for proper aeration, controls the osmotic pressure exerted both by foodgrains as well as the floor and gives protection to the jute/ plastic layer of the bags so that it does not stick to the floor and get spoiled. To achieve all these things dunnage material is used which gives adequate space for easy aeration. At present there is no uniformity in usage of dunnage material in godowns and a number of options like wooden crates, poly pallets, polythene sheets, bamboo mats, ballies, casurina poles etc. are used, depending upon its availability.

In order to bring uniformity in usage of dunnage material, it has been decided that the following type of dunnage material shall be used:

1. **Par Boiled Rice-** In milling process of par boiled rice, paddy is soaked in water/ steamed before converting into rice, the resultant rice tends to have higher moisture and takes time for stabilization of moisture for safe storage. In absence of proper aeration, the bottom layers of the bags may get damaged due to heating and grains may get discolored/ encrusted and the stock may get non-merchantable. Hence, in case of Par Boiled Rice, in procuring regions, Poly pallets/ wooden crates may be used in bottom of the stacks. In case of consuming regions, if the expected average storage period of par boiled rice is around 03 months then any locally available dunnage material viz. bamboo mats, unserviceable polythene cover etc. can be used taking into consideration its availability, operational feasibility and cost factor. For longer storage of par boiled rice, poly pallets/ wooden crates should be used.

2. **Raw Rice:** For Raw Rice storage in covered, in procuring as well as consuming regions, the depots with average storage period around 03 months and high off-take, any locally available dunnage material can

be used such as unserviceable polythene covers, bamboo mats, ballis, and patera mats etc. taking into consideration of the availability/ operational feasibility and cost factor. For longer storage periods i.e. more than 03 months, poly pallets/ wooden crates should be used to avoid damage to bottom layer bags due to absence of aeration.

General Manager(R) to assess the average storage period of foodgrains in godowns on the basis of last 05 years historical data and anticipation of future scenario and then decide on the type of dunnage material.

3. **Wheat storage in covered-** It has since been experienced that wheat which is stored under covered godown are necessarily not prone to quality deterioration in the bottom layer of bags in absence of raised dunnage material due to its inherent qualities. In view of this, the wheat stock when stored in covered godown can be stored by using any kind of locally available dunnage material depending upon its availability, operational feasibility and cost factor.
4. **CAP Storage-** In case of CAP storage either wooden crates or poly pallets should be used as Dunnage. However, in termite infestation prone areas if cement blocks are available, the same may continue to be used as dunnage.
5. **Oilseeds-** Oilseeds which is rich in fatty acids have limited shelf life due to its biochemical composition and chances of deterioration in quality are high. Thus, oilseeds, irrespective of its storage period, must be stored using proper dunnage i.e. poly pallets/ wooden crates, which should facilitate proper aeration to keep the moisture content as low as possible as a principle of scientific preservation for higher longevity of stock.
6. **Pulses-** Pulses, irrespective of its storage period, must be stored using poly pallets/ wooden crates to facilitate proper aeration to keep the moisture content as low as possible for higher longevity of stock.
7. **Coarse Grain & Millets-** Coarse Grain & Millets, irrespective of its storage period, must be stored using poly pallets/ wooden crates to facilitate proper aeration to keep the moisture content as low as possible for higher longevity of stock.

8. However, notwithstanding the aforesaid conditions

8.1 In depots of Regions with high rainfall like Kerala, North Eastern States and depots situated in coastal areas of Tamilnadu, Odisha, West Bengal, Karnataka, Maharashtra, Gujarat including depots of Port Blair and Lakshadweep having high humidity, the respective General Manager(R) may decide the kind of material to be used as dunnage taking into consideration the location and condition of godown for safe preservation of foodgrains.

Whenever poly pallets are to be used as Dunnage Material, all three types of poly pallets i.e. Type 'A', type 'D' and those made from recycled material, as per their respective BIS specifications, shall be considered while purchasing. The details of BIS Specification are as under:

| Sl. No. | Type of Dunnage Material | BIS Specification |
|----------------|---------------------------------|---|
| 1. | Type A | Poly Pallets(Length of 1500 mm and width of 760 mm) -IS 13664:1993. |
| 2. | Type D | Injection Moulded Plastic Pallets- IS 13664:1993. |
| 3. | Recycled | Poly Pallets made out of Recycled Plastic Wastes- IS 16058:2013. |
| 4. | Wooden crates | IS 13714:1993 has been revised and superceded by 17427:2020. |

The BIS specification may be considered with up-to date amendment.

8.2 In case of godowns with chances of seepage from floor due to high water table in the surrounding or in case of newly constructed godowns/ godowns having valley gutters/ low lying areas which are prone to flooding, dunnage material which provides proper aeration to bottom layers should be used. For this purpose, poly pallets/ wooden crates should be used as dunnage to avoid any damage to bottom layers of stacks. Wooden materials will be avoided in the flood and cyclone prone areas.

8.3 While making purchase of locally available dunnage material, other than wooden crates & poly pallets, type and specifications should be made in such a manner that multiple vendors/ suppliers are available in the market so that there is enough competition.

8.4 Considering the revised BIS standards, purchase of wooden crates may be made as per the revised standards i.e. 17427:2020, fulfilling the clause of sustainability certificate.

8.5 Dunnage material already available should be utilized invariably while giving due weightage to the safety of foodgrains.

9. The new guideline on dunnage material shall be applicable in all FCI godowns, both owned as well as hired including Private Warehousing Scheme (PWS). This guideline will also be applicable for godowns that will be re-hired or hiring period is extended. In case of godowns already hired, whenever there is replacement or new purchase of dunnage material as per the requirement/ norms, the same will invariably be as per new dunnage policy.
10. Purchase of Dunnage material in all the Zones will be done in a phased manner, over a period of three years, depending availability of budget and requirements of Dunnage materials in a particular center.
11. The dunnage material should invariably be purchased from Government e-Marketplace (GeM).
12. Penalty for non-compliance of Guidelines on usage of Dunnage Material for Storage of Foodgrains as tabulated below (or what so ever revised) will be recovered from the monthly bills of the concerned warehouse for the period and quantity of foodgrain which are not provided with dunnage materials.

| Type of Crate/ Dunnage | | Qtl / month (in Rs.) |
|-------------------------------|---|-----------------------------|
| Wooden crates | | 0.90 |
| Polly Pallets | A | 1.729 |
| | D | 1.415 |
| Polly Pallets recycled | | 0.93 |
